

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
17 January 2002 (17.01.2002)

PCT

(10) International Publication Number  
**WO 02/03847 A3**(51) International Patent Classification<sup>7</sup>: **A47L 13/20,**  
13/38(21) International Application Number: **PCT/JP01/05840**(22) International Filing Date: **5 July 2001 (05.07.2001)**(25) Filing Language: **English**(26) Publication Language: **English**(30) Priority Data:  
2000-208756 10 July 2000 (10.07.2000) JP  
2001-113750 12 April 2001 (12.04.2001) JP(71) Applicant (for all designated States except US):  
**UNI-CHARM CORPORATION [JP/JP];** 182, Shimobun, Kinsei-cho, Kawano-shi, Ehime 799-0111 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TANAKA, Yoshinori [JP/JP];** c/o Technical Center of UNI-CHARM CORPORATION, 1531-7, Takasuka, Wadahama, Toyohama-cho, Mitoyo-gun, Kagawa 769-1602 (JP). **TSUCHIYA, Akemi [JP/JP];** c/o Technical Center of UNI-CHARM CORPORATION, 1531-7, Takasuka, Wadahama, Toyohama-cho, Mitoyo-gun, Kagawa769-1602 (JP). **FUJIWARA, Masatoshi [JP/JP];** c/o Technical Center of UNI-CHARM CORPORATION, 1531-7, Takasuka, Wadahama, Toyohama-cho, Mitoyo-gun, Kagawa 769-1602 (JP).(74) Agent: **NOZAKI, Teruo;** 3rd Floor, Nishiwaki Building, 1-4, Kojimachi 4-chome, Chiyoda-ku, Tokyo 102-0083 (JP).

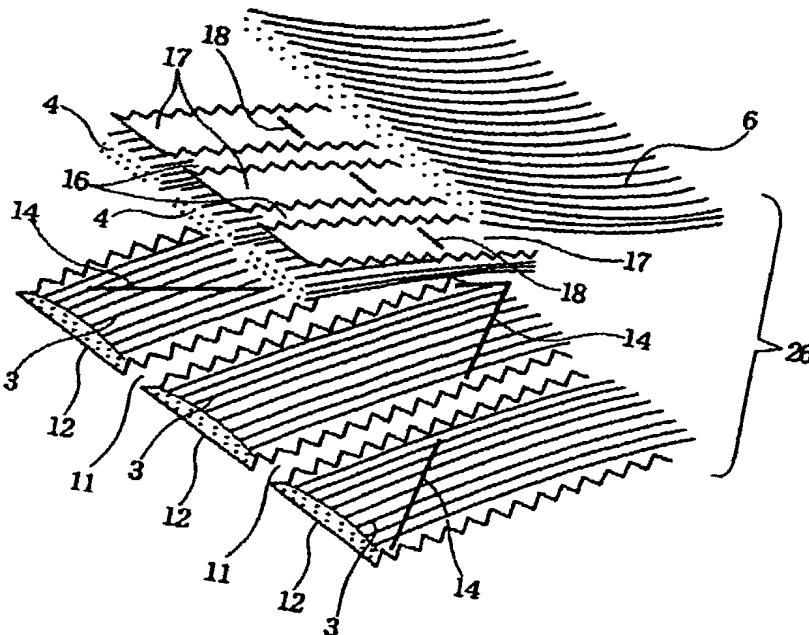
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: **CLEANING ARTICLE**

(57) Abstract: There is disclosed a cleaning article (1) including a brush portion (26). The brush portion (26) has a plurality of strips (12, 17) and at least one layer of a fiber bundle (3, 4, 6).

WO 02/03847 A3